# UNIQUE

*The Perfect Sash Balance*

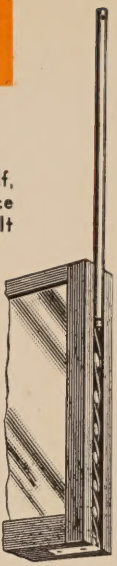
**ELIMINATES WEIGHTS, CORDS, PULLEYS, POCKETS, BOXES.**

*New*
**TYPE D BALANCE**

# A True Counterbalance - - Not a friction device

Patented in United States
and Foreign Countries

The UNIQUE BALANCE is simplicity itself, there being but one moving part. The balance is constructed of the very best materials. It will last the life of the building.



The Unique Sash Balance is a compact self contained mechanical device for balancing double hung windows employing the torsive action of high grade oil tempered springs for lifting power which is governed by a graduated spiral rod which provides a perfect balance at any point in the run of the sash. It is enclosed in a rust proofed steel tube having a hole in top for attachment to the jamb. Spiral rod has adjusting fitting which is turned to left until exact lifting power is secured and then is screwed to bottom of sash. No extensive spring action is used, therefore no friction is necessary to off-set it. The sash floats on the balance, moving freely up or down from any point.

Unique Balances are built in the following four types. Weights as specified are based on using one balance on each side of each sash or four balances per double hung opening.

Type "D" for up to 20-pound sash or 40-pound double hung openings not over 5'10" high.

Type "C" for up to 30-pound sash or 60-pound double hung openings not over 12'0" high.

Type "M" for 30 to 60-pound sash or 60 to 120-pound openings not over 12'0" high.

Type "H.D." for 60 to 100-pound sash or 120 to 200-pound openings not over 12'0" high.

***Painting will not affect the operation of Balance***

## A PERFECTLY-BALANCED, BETTER-CONSTRUCTED WINDOW AT A SUBSTANTIAL SAVING IN COST

*B E C A U S E*

***Weights, Cords, Pulleys, Pockets and Boxes are entirely eliminated and Trim and Mullions are materially reduced.***

## *17 Definite Advantages*

1—A perfectly-balanced sash at all times.

2—Narrow Mullions, 1½" wide.

3—Narrow trim of any size, from 1" up, as there is no weight box to be covered.

4—Permits a plaster return. No added labor or blocking out for this.

5—Allows freedom of architectural design and planning.

6—Weather-tight construction, as there are no pulley holes or weight boxes for cold air to seep through.

7—S o l i d construction, as studs or brick set tight against frame jamb.

8—No calking for weather-proofing.

9—Balances a r e installed much faster than weights and cords.

10—The balance is rust and corrosion-proof. Columbia University proved this by the United States Bureau of Standards salt spray test.

11—Durable. Proven by Columbia University test No. 2,295. This test equalled sash operation for a period of 137 years. (See page 5.)

12—No cord to break or rot.

13—No clang or bang of weights.

14—The balance can be installed or removed after the window has been trimmed, painted and completed.

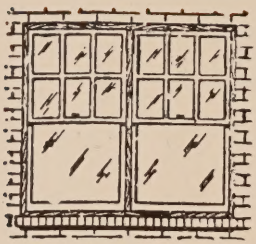
15—If desired, a sash may be pre-fitted in the shop, balances installed and the complete unit of frame, sash and balances sent to the building, ready to be set in place.

16—A 2" outside casing on frame house frames if desired.

17—Unique S a s h Balances assure the builder of a substantial saving by the elimination of weights, cords, pulleys, pockets, and weight boxes.

**OVER 2,000,000 UNIQUE SASH BALANCES SOLD DURING 1937**

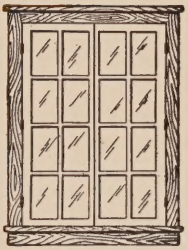
*Permits Narrow Mullions and Narrow Trim*



## TRIM

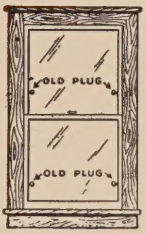
Trim may be as narrow as 1" or as wide as desired.

## OLD WORK



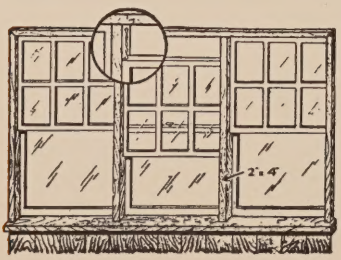
### CASEMENTS

Replace casement windows with double hung sash operated by UNIQUE BALANCES without removing present frames.




### OLD WINDOWS MODERNIZED

Modernize old type sash without removing present frames. Simply plough side rails of sash and install UNIQUE BALANCES.




## PORCH ENCLOSURES

AND NOW double hung sash for porch windows without unsightly wide mullions are possible as only a 2" x 4" is needed between sash stiles, affording maximum light at minimum cost.

## TEST NUMBER 2295
## COLUMBIA UNIVERSITY TESTING LABORATORIES

April 11, 1932,

W. J. Krefeld, Engineer of Tests

*TEST OF OPERATION:*

*A. Method of Test:*

1. Sash operating up and down in a frame simulating window action. Test continued for 50,000 cycles.

*B. Results of Test:*

1. Operating characteristics unchanged.
2. The weight supporting ability of the balance unchanged.
3. Twisted rod showed no appreciable wear.
4. Rotating bushing slot showed some wear but without any appreciable effect on operation.

TEST OF CORROSION
MADE BY COLIN G. FINK, Ph.D.

*A. Method of Test:*

1. Salt Spray Test of 80 hours as described by U. S. Bureau of Standards.

*B. Results of Test:*

1. Spring almost entirely free of rust.
2. Spiral and tube showed several minor rust spots.
3. In the opinion of Professor Fink, these sash balances when used as intended, may in so far as corrosion resistance is concerned, be expected to last indefinitely.

CONCLUSION:

50,000 CYCLES IS EQUIVALENT TO OPENING AND CLOSING ANY WINDOW IN ACTUAL OPERATION ONCE A DAY FOR 137 YEARS, WE THINK THIS IS CONCLUSIVE.

# A Few of Many Thousands of Buildings, New and Old, Equipped with **Unique Sash Balance and Unique Weatherstrip**

Approximately 6,000 sets in this Housing Development

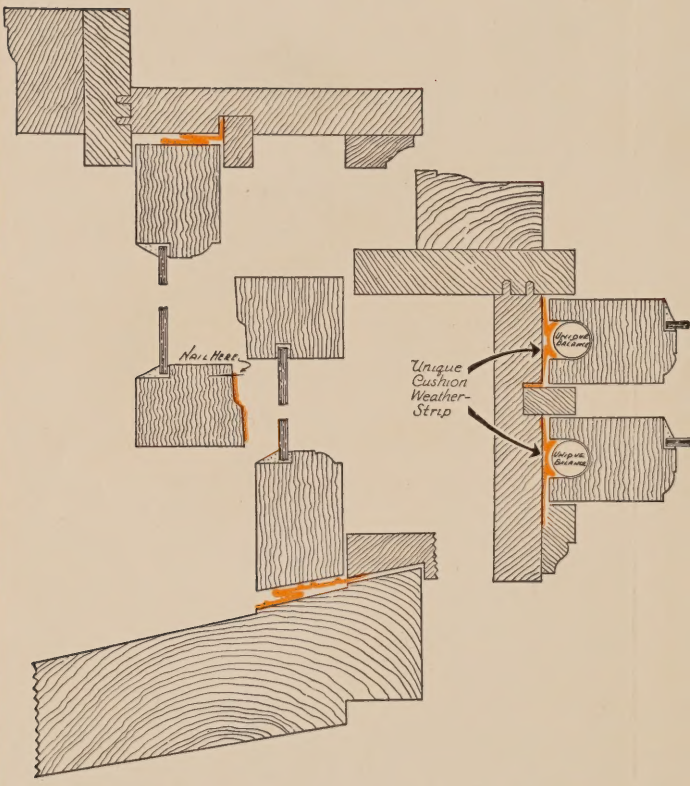
Douglas Apartments, Newark, N. J.
Owner, Prudential Insurance Company
*Architect, Edmond C. Stout*

Apartment Hotel in Miami Beach, Fla.
*Henry Hohauser, Architect*
O'Neill-Orr Construction Company, Contractor
Evans Hotel Company, Owner

Send for catalogue No. 101 for more buildings using Unique Sash Balances.
Send for catalogue No. 102 for various frame details.

# UNIQUE CUSHION WEATHERSTRIP

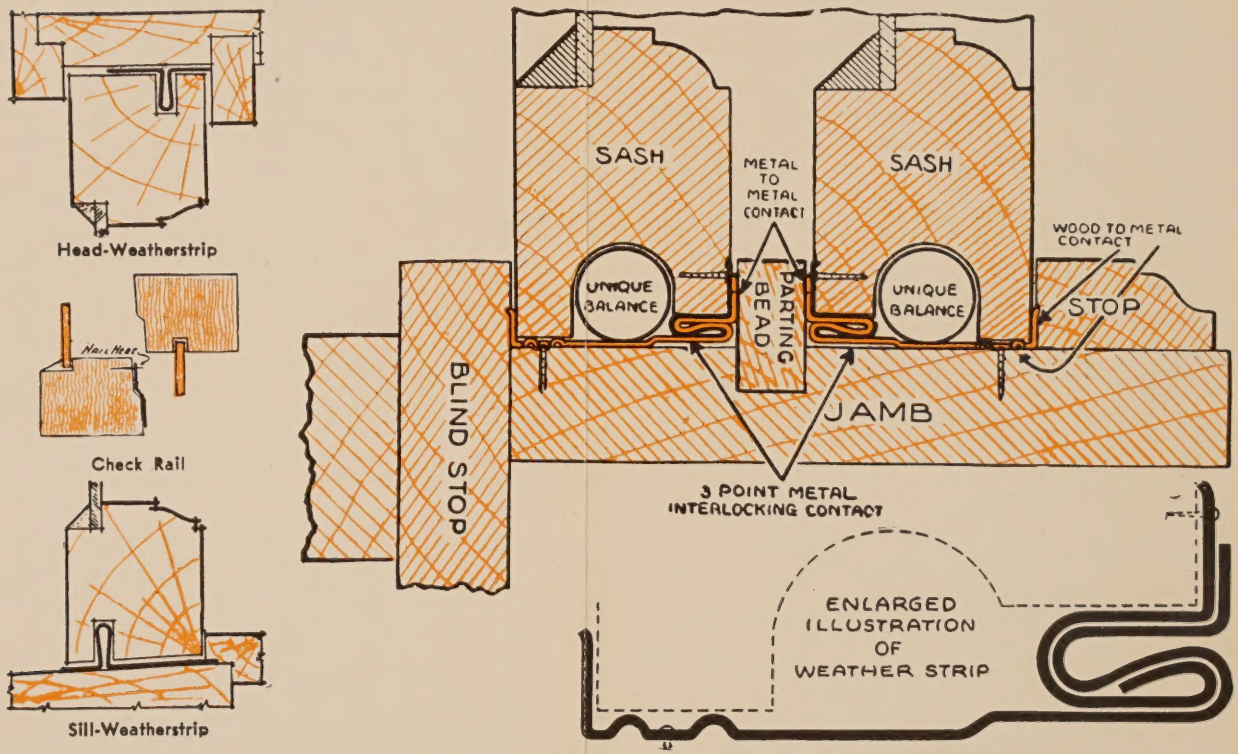
## *Spring - Bronze - Material*




UNIQUE CUSHION WEATHERSTRIP eliminates air leakage and the noise of a loose sash. It automatically adjusts itself to sash shrinkage and expansion and its cushion effect causes an easy sliding sash. It is made of bronze. It is installed easily, rapidly, and economically as its installation utilizes only the parting strip, the stop, and the balance groove already in sash. No additional grooving or ploughing of frame or sash is necessary.

## No. 25 ZINC INTERLOCKING CROSS GRAIN WEATHERSTRIP

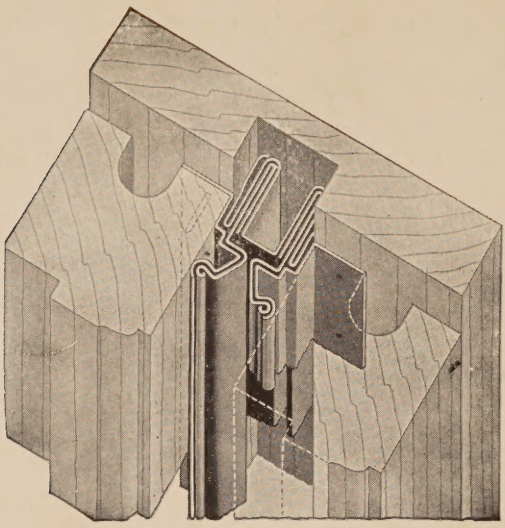
Note the feature of sash being tracked in metal. This will prevent sash from sticking when painted. The three point metal contact nesting assures 100% weathertightness at all times.




We offer three types of efficient and economical weatherstrip illustrated at the left, right, and above.

If an architect has a preference for another type of weatherstrip, practically all the leading weatherstrip manufacturers in the country manufacture one or more types of weatherstrip to work in combination with the Unique Sash Balance.

# UNIQUE DOUBLE LOCK WEATHERSTRIP



The above shows the side jamb illustration of the Unique Double Lock Weatherstrip.

The head and sill is furnished two ways, either with the standard Zinc rib strip as shown to the left with the No. 25 Zinc Interlocking Weatherstrip or with a regular bronze head and sill which does not require grooving of either sash.

This strip has a Zinc parting bead the full length of the window and a Bronze rib which interlocks into this parting bead strip.

It is very simple to install.

More information regarding same may be had upon request.

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